SEQUENCE LISTING

<110> MCCARTHY, JUSTIN
      CORDELL, BARBARA

<120> METHODS FOR IDENTIFYING INHIBITORS OF
  NEURONAL DEGENERATION

<130> SCIOS.012A

<160> 16

<170> FastSEQ for Windows Version 4.0

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<211> 942
<212> DNA
<213> Homo Sapien

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<212> PRT
<213> Homo Sapien

<400> 2

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Asp Trp Lys Ala Lys Arg Lys Met Arg Ala Lys Asn Gly Ala Gly Gly
             20                  25                  30
Gly Ser Ser Asp Ala Ala Gly Lys Ala Gly Ala Gly Thr Ala Ala Ala
             35                  40                  45
Ala Ala Asn Asn Asn Asn Gly Gly Ala Ala Ala Ala Val Gly Gly Gly
     50                  55                  60
Val Asn Cys Ala Val Gly Ser Ala Met Thr Arg Ala Ala Arg Gly Arg
 65                  70                  75                  80
Arg Ser Asp Ala Ala Ser Ala Ser Ala Ala Arg Asp Asp Gly Val Lys
             85                  90                  95
Gly Lys Ser Ser Gly Ser Ala Arg Lys Gly Lys Gly Lys Arg Lys Arg
            100                 105                 110
Lys Arg Arg Ser Thr Gly Val Val Asn Ala Ala Cys Asp Tyr Asp Asp
            115                 120                 125
Ala Gly Lys Arg Lys Arg Asp Ala Thr Asn Thr Asn Ala Val Asn Asp
            130                 135                 140
Gly Ser Ser Tyr Arg Thr Val Ser Gly Arg Tyr Lys Ser Thr Thr Ser
145                 150                 155                 160
Val Ser Asp Val Ser Ser Arg Tyr Ser Arg Thr Asp Arg Ser Gly Arg
                165                 170                 175
Tyr Asn Arg Asp Ala Asn Val Ser Gly Thr Val Ser Ser Ser Thr Lys
                180                 185                 190
Lys Asp Lys Val Val Thr Arg Asn Arg Val Arg Met Asp Lys Met Gly
                195                 200                 205
Lys Lys Asp Asn Arg Asp Asp Asp Asp Asn Lys Asn Lys Thr Lys Val
            210                 215                 220
Val Gly Thr Arg Met Ala Thr Gly Gly Tyr Arg Thr Ser Ser Gly Gly
225                 230                 235                 240
Gly Ser Thr Thr Asp Trp Lys Ala Lys Arg Lys Met Arg Ala Lys Asn
                245                 250                 255
Gly Ala Gly Gly Gly Ser Ser Asp Ala Ala Gly Lys Ala Gly Ala Gly
                260                 265                 270
Thr Ala Ala Ala Ala Ala Asn Asn Asn Asn Gly Gly Ala Ala Ala Ala
            275                 280                 285
```

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Val Gly Gly Gly Val Asn Cys Ala Val Gly Ser Ala Met Thr Arg Ala
    290                 295                 300
Ala Arg Gly Arg Arg Asp Ala Ala Ser Ala Ser Ala Ala Arg Asp Asp
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Gly Val Lys Gly Lys Ser Ser Gly Ser Ala Arg Lys Gly Lys Gly Lys
                325                 330                 335
Arg Lys Arg Lys Arg
                340
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<212> DNA
<213> Homo Sapien

<400> 3

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180
caggtggtgg agcaagatga ggaagaagat gaggagctga cattgaaata tggcgccaag
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gataccgaga ctgtgggcca gagagccctg cactcaattc tgaatgctgc catcatgatc
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960
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<212> PRT
<213> Homo Sapien

<400> 4

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            20                  25                  30
Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
        35                  40                  45
Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
    50                  55                  60
Gln Asp Glu Glu Glu Asp Glu Glu Leu Thr Leu Lys Tyr Gly Ala Lys
65                  70                  75                  80
His Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Val Val Val
                85                  90                  95
Val Ala Thr Ile Lys Ser Val Ser Phe Tyr Thr Arg Lys Asp Gly Gln
                100                 105                 110
Leu Ile Tyr Thr Pro Phe Thr Glu Asp Thr Glu Thr Val Gly Gln Arg
        115                 120                 125
Ala Leu His Ser Ile Leu Asn Ala Ala Ile Met Ile Ser Val Ile Val
        130                 135                 140
Val Met Thr Ile Leu Leu Val Val Leu Tyr Lys Tyr Arg Cys Tyr Lys
145                 150                 155                 160
Val Ile His Ala Trp Leu Ile Ile Ser Ser Leu Leu Leu Leu Phe Phe
                165                 170                 175
Phe Ser Phe Ile Tyr Leu Gly Glu Val Phe Lys Thr Tyr Asn Val Ala
            180                 185                 190
Val Asp Tyr Ile Thr Val Ala Leu Leu Ile Trp Asn Phe Gly Val Val
```

```
            195                   200                   205
Gly Met Ile Ser Ile His Trp Lys Gly Pro Leu Arg Leu Gln Gln Ala
    210                   215                   220
Tyr Leu Ile Met Ile Ser Ala Leu Met Ala Leu Val Phe Ile Lys Tyr
225                   230                   235                   240
Leu Pro Glu Trp Thr Ala Trp Leu Ile Leu Ala Val Ile Ser Val Tyr
            245                   250                   255
Asp Leu Val Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met Leu Val
            260                   265                   270
Glu Thr Ala Gln Glu Arg Asn Glu Thr Leu Phe Pro Ala Leu Ile Tyr
    275                   280                   285
Ser Ser Thr Met Val Trp Leu Val Asn Met Ala Glu Gly Asp Pro Glu
    290                   295                   300
Ala Gln Arg Arg Val Ser Lys Asn Ser Lys Tyr Asn Ala Glu Ser Thr
305                   310                   315                   320
Glu Arg Glu Ser Gln Asp Thr Val Ala Glu Asn Asp Asp Gly Gly Phe
            325                   330                   335
Ser Glu Glu Trp Glu Ala Gln Arg Asp Ser His Leu Gly Pro His Arg
            340                   345                   350
Ser Thr Pro Glu Ser Arg Ala Ala Val Gln Glu Leu Ser Ser Ser Ile
            355                   360                   365
Leu Ala Gly Glu Asp Pro Glu Glu Arg Gly Val Lys Leu Gly Leu Gly
    370                   375                   380
Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ser Ala Thr Ala
385                   390                   395                   400
Ser Gly Asp Trp Asn Thr Thr Ile Ala Cys Phe Val Ala Ile Leu Ile
            405                   410                   415
Gly Leu Cys Leu Thr Leu Leu Leu Leu Ala Ile Phe Lys Lys Ala Leu
            420                   425                   430
Pro Ala Leu Pro Ile Ser Ile Thr Phe Gly Leu Val Phe Tyr Phe Ala
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Thr Asp Tyr Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln
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Phe Tyr Ile
465
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<210> 5
<211> 1346
<212> DNA
<213> Homo Sapien

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<210> 6
<211> 448
<212> PRT
<213> Homo Sapien

<400> 6

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             20              25                 30
Glu Gly Arg Gln Gly Pro Glu Asp Gly Glu Asn Thr Ala Gln Trp Arg
         35              40                 45
Ser Gln Glu Asn Glu Glu Asp Gly Glu Glu Asp Pro Asp Arg Tyr Val
     50              55                 60
Cys Ser Gly Val Pro Gly Arg Pro Pro Gly Leu Glu Glu Glu Leu Thr
 65              70                 75                     80
Leu Lys Tyr Gly Ala Lys His Val Ile Met Leu Phe Val Pro Val Thr
             85                  90                     95
Leu Cys Met Ile Val Val Val Ala Thr Ile Lys Ser Val Arg Phe Tyr
             100             105                110
Thr Glu Lys Asn Gly Gln Leu Ile Tyr Thr Thr Phe Thr Glu Asp Thr
         115             120                 125
Pro Ser Val Gly Gln Arg Leu Leu Asn Ser Val Leu Asn Thr Leu Ile
     130             135                 140
Met Ile Ser Val Ile Val Val Met Thr Ile Phe Leu Val Val Leu Tyr
145             150                 155                     160
Lys Tyr Arg Cys Tyr Lys Phe Ile His Gly Trp Leu Ile Met Ser Ser
             165                 170                 175
Leu Met Leu Leu Phe Leu Phe Thr Tyr Ile Tyr Leu Gly Glu Val Leu
         180                 185                 190
Lys Thr Tyr Asn Val Ala Met Asp Tyr Pro Thr Leu Leu Leu Thr Val
         195                 200                 205
Trp Asn Phe Gly Ala Val Gly Met Val Cys Ile His Trp Lys Gly Pro
     210                 215                 220
Leu Val Leu Gln Gln Ala Tyr Leu Ile Met Ile Ser Ala Leu Met Ala
225                 230                 235                     240
Leu Val Phe Ile Lys Tyr Leu Pro Glu Trp Ser Ala Trp Val Ile Leu
             245                 250                 255
Gly Ala Ile Ser Val Tyr Asp Leu Val Ala Val Leu Cys Pro Lys Gly
         260                 265                 270
Pro Leu Arg Met Leu Val Glu Thr Ala Gln Glu Arg Asn Glu Pro Ile
         275                 280                 285
Phe Pro Ala Leu Ile Tyr Ser Ser Ala Met Val Trp Thr Val Gly Met
     290                 295                 300
Ala Lys Leu Asp Pro Ser Ser Gln Gly Ala Leu Gln Leu Pro Tyr Asp
305                 310                 315                 320
Pro Glu Met Glu Glu Asp Ser Tyr Asp Ser Phe Gly Glu Pro Ser Tyr
             325                 330                 335
Pro Glu Val Phe Glu Pro Pro Leu Thr Gly Tyr Pro Gly Glu Glu Leu
             340                 345                 350
Glu Glu Glu Glu Glu Arg Gly Val Lys Leu Gly Leu Gly Asp Phe Ile
         355                 360                 365
Phe Tyr Ser Val Leu Val Gly Lys Ala Ala Ala Thr Gly Ser Gly Asp
     370                 375                 380
```

Page 7

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Trp Asn Thr Thr Leu Ala Cys Phe Val Ala Ile Leu Ile Gly Leu Cys
385                 390                 395                 400
Leu Thr Leu Leu Leu Leu Ala Val Phe Lys Lys Ala Leu Pro Ala Leu
            405                 410                 415
Pro Ile Ser Ile Thr Phe Gly Leu Ile Phe Tyr Phe Ser Thr Asp Asn
            420                 425                 430
Leu Val Arg Pro Phe Met Asp Thr Leu Ala Ser His Gln Leu Tyr Ile
            435                 440                 445
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<211> 371
<212> DNA
<213> Homo Sapien

<400> 7
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371
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<210> 8
<211> 5935
<212> DNA
<213> Homo Sapien

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<222> (5214)...(5690)

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120
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1620

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1680

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1800

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1920

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2160

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2640

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2700

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